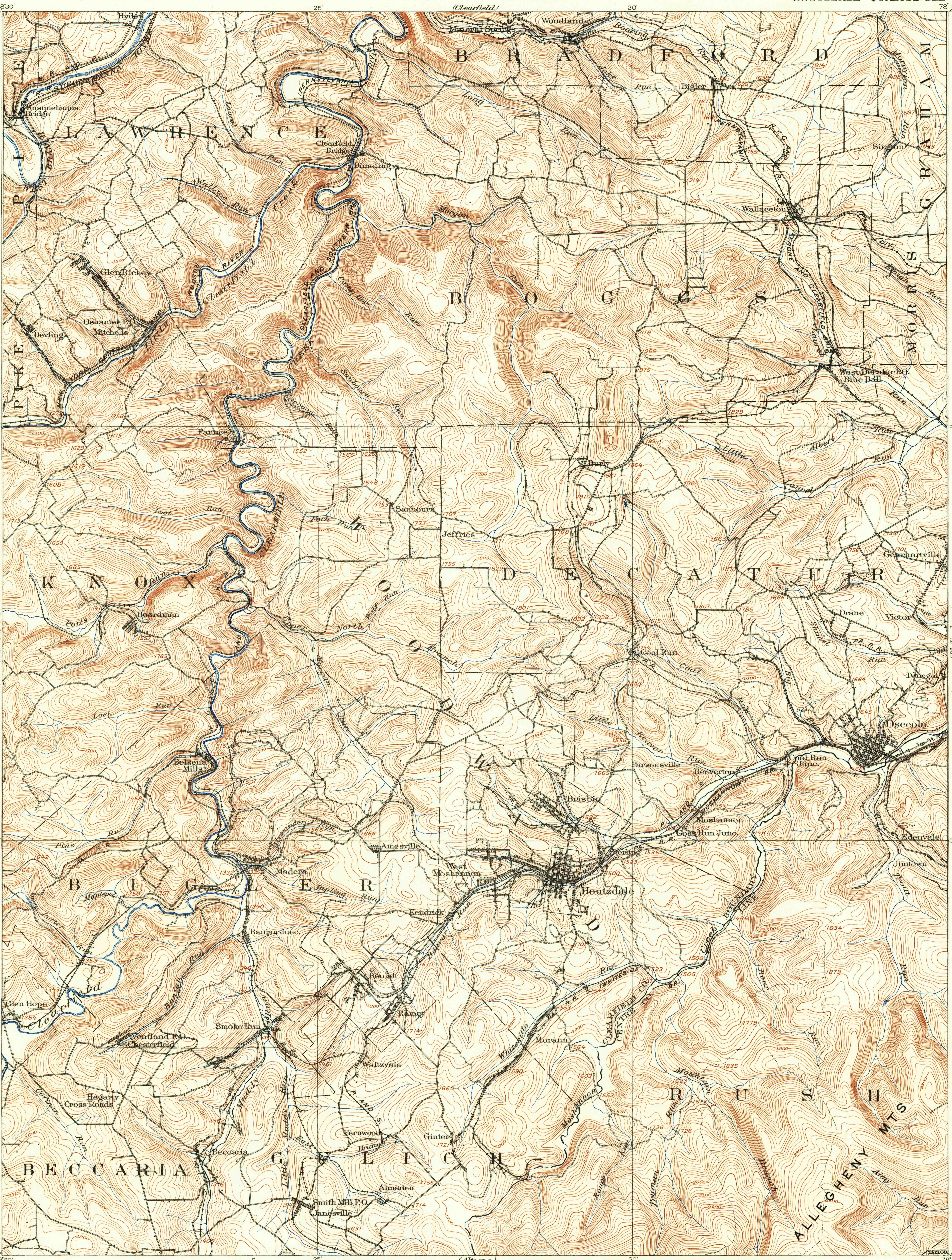
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF PENNSYLVANIA
REPRESENTED BY THE
DEPARTMENT OF INTERNAL AFFAIRS
TOPOGRAPHIC AND GEOLOGIC SURVEY

PENNSYLVANIA
HOUTZDALE QUADRANGLE

U.S.G.S.
FILE COPY
TOPOGRAPHIC DIVISION

(Penfield) 78°30′ 41°00′ 25′ (Clearfield) 20′ 78°15′ 41°00′ (Karthaus)



(Patton) 40°45′ 78°30′ 25′ (Altoona) 20′ 78°15′ 40°45′ (Tyrone)

H.M.Wilson, Geographer.
Frank Sutton, Topographer in charge.
Topography by A.C.Roberts, Frank Sutton, and E.I.Ireland.
Triangulation by S.S.Gannett.
Surveyed in 1902-1903.

SURVEYED IN COOPERATION WITH THE STATE OF PENNSYLVANIA.

TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION 1903

Scale $\frac{1}{62500}$

1 ½ 0 1 2 3 4 Miles

1 ½ 0 1 2 3 4 5 Kilometers

Contour interval 20 feet.

Datum is mean sea level.

Edition of May 1905, reprinted 1937
Polyconic projection. North American datum

USGS
Historical File
Topographic Division

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HOUTZDALE, PA.

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